

L 21766-66

ACC NR: AP6012615

lineur algebraic equations. The authors prove that the systems obtained are quasi-completely regular; that the free coefficients of those systems are bounded from above; and as the index increases, they converge to zero. Orig. art. has: 1 figure and 4 formulas. [JPRS]

SUB CODE: 20 / SUBM DATE: 29Jan65 / ORIG REF: 003

Card 2/2 HW

L 29105-66

ACC NR: AP6019383

SOURCE CODE: UR/0040/66/030/001/0143/0147

AUTHOR: Abramyan, B. L. (Yerevan); Arutyunyan, N. Kh. (Yerevan); Babloyan, A.A. (Yerevan) 30 B

ORG: none

TITLE: Symmetric pressure of a circular die on an elastic half-space with linkage

SOURCE: Prikladnaya matematika i mehanika, v. 30, no. 1, 1966, 143-147

TOPIC TAGS: boundary value problem, harmonic function, Bessel function, Fourier transform, integral equation, die

ABSTRACT: The article considers the problem of the symmetric pressure of a rigid circular die on an elastic half-space with linkage. A system of cylindrical coordinates is used to solve the problem. Love's biharmonic stress function is sought in the form of a Hankel integral. The determination of arbitrary integration functions is reduced to a system of two "paired" integral equations containing Bessel functions of the first kind. The solution of this system by means of the Fourier transform is reduced to Privalov's boundary value problem and is expressed by means of quadratures. The results of I. M. Rapoport are used. A solution can be obtained similarly for the case in which there is no axial symmetry. Orig. art. has 21 formulas. [JPRS]

SUB CODE: 12, 13 / SUBM DATE: 12Nov65 / ORIG REF: 009/ OTH REF: 004

Card 1/1 1 C

L 05832-67 EWT(d)/EWT(m)/EWP(w) IJP(c) EM

ACC NR: AP6028213

SOURCE CODE: UR/0430/66/019/001/0003/0007

AUTHOR: Babloyan, A. A.

ORG: Institute of Mathematics and Mechanics AN Armenian SSR (Institut matematiki i mekhaniki AN Armyanskoy SSR)

TITLE: Two integral equations encountered in the theory of elasticity

SOURCE: AN ArmSSR. Izvestiya. Mekhanika, v. 19, no. 1, 1966, 3-7

TOPIC TAGS: elasticity theory, Fredholm equation

ABSTRACT: The author considers Fredholm's integral equations of the second kind in which the kernels depend on the sum or difference of two variables  $x$  and  $t$ , i. e.

$$f(x) + \int_0^x f(t) k(x+t) dt = g(x) \quad (0 < x < \infty)$$

and

$$f(x) + \int_0^x f(t) [k_1(x+t) + k_2(x-t)] dt = g(x) \quad (0 < x < \infty)$$

Card 1/2

ZELENER, V.S.; BABLOYANTS, K.A.

Practice of working with the DD3 differential range finder.  
Geod. i kart. no.11:38-40 N '62. (MIRA-15:12)  
(Range finders)

AMOSOV, N.M., prof.; BEREZOVSKIY, K.K., kand.med.nauk; BABLYAK, D.Ye.;  
MOTRENKO, Ya.G.; TISHENKO, S.S.

Late results of mitral commissurotomy. Khirurgiia no.10:3-8 '64.  
(MIRA 18:8)

1. Klinika serdechnoy khirurgii (zav. - prof. N.M.Amosov)  
Ukrainskogo nauchno-issledovatel'skogo instituta tuberkuleza i  
grudnoy khirurgii (dir. - dotsent A.S.Mamolat).

BABLYUK, Boris Timofeyevich

BABLYUK, Boris Timofeyevich; MAMAYEVA, O., red.; KORNEYEVA, V., tekhn.red.

[In the land of diamonds] V strane almazov. [Moskva] Izd-vo TsK  
VIKSM "Molodaia gvardia," 1957. 221 p. (MIRA 11:2)  
(Yakutia--Description and travel)

BABLYUK, Boris Timofeyevich, zhurnalista; PROTSENKO, E., red.; MUKHIN, Yu.,  
tekhn. red.

[Skillful hands] Zolotye ruki. Moskva, Gos. izd-vo polit. lit-ry,  
1961. 23 p.  
(MIRA 14:9)

1. Sotrudnik oblastnoy kostromskoy gazety "Severnaya pravda" (for  
Bablyuk)  
(Kostroma Province—Dairy workers)

BABLYAK, Nikolay Matveyevich, prepodavatel'; KUZHELEVA, Ol'ga Iosifovna, kand. ist. nauk dots.; KURBATOVA, G., red.

[The competition between the two worlds] Sorevnovanie dvukh mirov. Moskva, Politizdat, 1964. 61 p.

(KIRA 17:8)

1. Omskiy pedagogicheskiy institut (for Kuzheleva).
2. Omskiy institut inzhenerov zheleznyodorozhnogo transporta (for Bablyak).

BABMAYEVA, V.V. (Moskva)

Some data on the characteristics of congenital heart defects.  
Arkh.pat. 22 no.7:29-34 '60. (MIRA 14:1)

1. Iz kafedry patologicheskoy anatomii (zav. - chlen-korrespondent  
AMN SSSR prof. A.I.Strukov) I Moskovskogo ordena Lenina meditsin-  
skogo instituta imeni I.M.Sechenova.  
(HEART—ABNORMALITIES AND DEFORMITIES)

2211. Babmendra, P.K.

Opyt Poluchyeniya Vysokikh Urozhayev Zyernovykh Kul'tur. Zyer  
Nosovkhoz & Gigant'. (Rost. Obl. M., IZD.-Vo M-Va Sovkhozov SSSR, 1954).  
8 s. s Ill. 20 sm. (Glav. Upr. s.-Kh. Propagandy M-Va Sovkhozov SSSR.  
S Tribuny Vsyescyuz. C.-Kh. Vystavki). 15.000 EKZ. ByesPl. -  
(54-56460)p 633.1st(47.892)

AUTHOR: Babmindra, P.K. SOV/25-58-11-3/44

TITLE: Queen of the Fields (Koroleva poley)

PERIODICAL: Nauka i zhizn', 1958, Nr 11, pp 7-9 (USSR)

ABSTRACT: The acreage seeded to corn in the USSR amounted in 1957 to 18,300,000 hectares, 5.2 times more than in 1953. The author reports that corn has been successfully raised in non-black soil areas, such as in the Moscow, Kursk and Irkutsk oblast's, where 500-700 centners were harvested from 1 hectare. Experiments are being conducted at the present time with various hybrids of corn, and different cultivation methods. New types of sowing machines and cultivators have been successfully tested. In the field of selective breeding of corn Candidate of Agricultural Sciences M.I. Khadzhinov of the Krasnodarskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva (the Krasnodar Scientific Research Institute of Agriculture) excels, as does G.I. Galeev of the Kubanskoye

Card 1/2

Queen of the Fields

SOV/25-58-11-3/44

otdeleniye Vsesoyuznogo instituta rasteniyevodstva (The Kuban  
Department of the All-Union Institute of Plant Breeding).  
There are 3 photos.

Card 2/2

BABMINTRA, V.P.

Changes in the intramural nervous system of the esophagus in  
amphibians and reptiles during hibernation. Vest. Len. un. 11  
no.15:91-95 '56. (MLRA 9:10)

(ESOPHAGUS--INNERVATION) (REPTILES) (AMPHIBIA)

PA - 2934

AUTHOR: BABMINDRA,V.P.

TITLE: The Afferent Innervation of the Upper Jugular Ganglion in Man.  
(Afferentnaya innervatsiya verkhnego sheynogo gangliya cheloveka,  
Russian)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 1, pp 187-190 (U.S.S.R.)  
Received: 6 / 1957      Reviewed: 7 / 1957

ABSTRACT: The study of the afferent innervation of the vegetative ganglia is of eminent importance in order to be able to understand the structure and the functioning of the vegetative nervous system. It is doubtful whether the vegetative ganglia have afferent innervation. New facts are necessary in order to be able to solve this fact, and to obtain them was the aim of this investigation. Although afferent endings have often been described, the opinion is frequently heard that the vegetative nervous system is entirely efferent. Nevertheless the question as to the presence of receptors in the vegetative ganglia is still unanswered: by some they are considered to be regenerating nervous formations, whereas others believe them to be pathological phenomena. The author examined 72 upper jugular ganglia of normal persons (suffering from the effect of accidents) and sick persons. Receptors of different complicatedness were discovered in the fibrous stroma and in the glia-elements. Tripartite and dichotomic ramifications of nerve fibres are visible in encapsulated and globular receptors. The largest number of receptors was found in the apical part of the

Card 1/2

The Afferent Innervation of the Upper Jugular Ganglion in Man. PA - 2934

ganglion immediately below its capsule. Apart from those mentioned above, non-encapsulated sensitive glomerules were observed. This form of afferent terminations of the ganglia concerned has as yet not been dealt with in published works. Thus, the present investigation confirms the results obtained by DE CASTRO and KOLOSOV and augments them to a certain extent. That these structures are of the nature of receptors is confirmed by the following fact: The above described elements are not found in chaotic, smaller glomerules, which form in connection with "compensatory" and "reactive" growths of the nerve fibres. The existence of an afferent innervation of the upper jugular ganglion shows that, owing to the fact that it innerves the most important organs of head, throat, and chest, must be under the control of the central nervous system. (4 Illustrations, 18 Citations from Publications).

ASSOCIATION: Physiological Institute "I.P.PAVLOW" of the Academy of Science of the U.S.S.R.  
PRESENTED BY: K.M.BIKOV, Member of the Academy  
SUBMITTED: 29.11.1956  
AVAILABLE: Library of Congress  
Card 2/2

BABMINDRA, V. P.

AUTHOR:

Babmindra, V. P.,

20-6-37/47

TITLE:

On the Morphology of the Synapses in the Upper Jugular Ganglion of Man and Animals (O morfologii sinapsov v verkhnem sheynom ganglii cheloveka i zhivotnykh)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 6, pp. 1053-1056 (USSR)

ABSTRACT:

The author studied 83 human jugular ganglia (normal as well as pathological ones) and 121 ganglia of cats, dogs and horses. Tests were made with animals: 1) The sympathetic trunk is the neck was cut through. 2) The ganglion investigated was moistened with a turpentine solution and the preganglionic fibers were cut through. Ganglia in cats which had endured a 5-10 minutes interruption of the action of the heart were also studied. The revivified animals were left alive for 3-6 days. The study of the synapses of the jugular ganglion showed that the synapses are not built according to the same plan. According to Gibson's classification (reference 1) the author divided them into 2 types: 1) terminal synapses and 2) transitory synapses. The terminal synapses are loop-shaped or club-shaped terminations of the thin preganglionic fibrils. Their shape and size is very variable. It seems to the author that these differences indicate different degrees of a pathological process. In this case the author can only hardly

Card 1/3

On the Morphology of the Synapses in the Upper Jugular Ganglion 20-6-37/47  
of Man and Animals.

imagine so great differences among the terminations of the same preganglionic fibers. Therefore it seems to him that it is possible that terminations of several preganglionic fibers may exist in one neuron. The club-shaped synapses of considerable size must be distinguished from the thickness terminations of the ganglionic cells (so-called ball phenomenon of Kakhal'). For this purpose the upper jugular ganglion is smeared with oil of turpentine. After 2 weeks irregularly thickened proliferations of the dendrites of the ganglionic cells are to be seen in preparations. The author thinks that the assumption that nerve impulses are transferred by the dendrites is incorrect, as the dendrites represent afferent structures. The number of synapses beside one neuron varies between 1-2 to several tens. The transitory synapses look like ringlets or varicosities in the course of the fine nerve fibers which twist about the neuron body. In some cases fine synaptic fibrils were to be seen which led from neuron to neuron. The author as well as other researchers (references 2-4) succeeded in distinguishing 2 components in the synapsis: the neurofibrillar framework and b) the plasmatic part of the termination, this is the perfibrillar substance (figure 3). The tests made with cats

Card 2/3

On the Morphology of the Synapses in the Upper Jugular Ganglion 20-6-37/47  
of Man and Animals.

Showed a high reactivity of the synapses. After a 5-10 minutes interruption of the activity of the heart argentophilia and swelling of the synapses were observed. The same image already appeared within the first 24 hours after cutting through the pre-ganglionic fibres. After 48 hours the degenerative changes manifested themselves still more distinctly. They rapidly progressed and ended after 4 days with a granular decomposition of the synapses. The degeneration after cutting through furnishes a convincing proof of a lacking direct tropic connection among the synapses and the ganglionic neurons. There are 3 figures, and 5 references, of which are Slavic.

ASSOCIATION: Institute of Physiology imeni I.P. Pavlov AS USSR (Institut fiziologii im. I.P. Pavlova Akademii nauk SSSR)

PRESENTED: September 19, 1957, by K.M. Bykov, Academician

SUBMITTED: September 19, 1957

AVAILABLE: Library of Congress

Card 3/3

BABMINTRA, V.P. Cand Bio Sci -- (diss) "Connection of the  
upper sympathetic ganglion of the neck with the central  
nervous system." Len, 1958, 19 pp (Len Order of Lenin  
State Univ im A.A. Zhdanov) 100 copies (KL, 21-58, 89)

- 18 -

BABMINTRA, V.P. (Leningrad, D-194, ul. Kalyayeva, d.41, kv.19)

Synapses in the superior cervical ganglia in man and in mammals:  
Arkh.anat. glist. i embr. 35 no.4:85-87 Jl-Ag '58 (MIRA 11:10)

1. Kafedra anatomii i histologii (zav. - chl.-kor. AN SSSR  
prof. N.G. Kolosov) Leningradskogo gosudarstvennogo universiteta  
imeni A.A. Zhdanova.

(GANGLIA, AUTONOMIC, anat. & histol.  
synapses in superior cervical ganglia in man & other  
mammals (Rus))

BABMINDRA, V.P.

Connection of the upper cervical sympathetic ganglion with the central nervous system. Izv. AN SSSR. Ser. biol. no. 4:505-518 Jl-Ag '60. (MIRA 13:8)

1. Institut fiziologii im. I P. Pavlova Akademii nauk SSSR.  
(NERVOUS SYSTEM , SYMPATHETIC)

BABMINDRA, V.P.

Injury and restoration of the structure of interneuron synapses after  
generalized roentgen irradiation. Biul.eksp. biol. i med. 51 no.1:  
102-105 Ja '61. (MIRA 14:5)

1. Iz laboratorii morfologii (zav. - chlen-korrespondent AN SSSR  
prof. N.G.Kolosov) Instituta fiziologii imeni I.P.Pavlova (dir. -  
akademik V.N.Chernigovskiy) AN SSSR i laboratorii radiobiologii  
(zav. - prof. A.M.Dubinskiy) Leningradskogo gosudarstvennogo  
universiteta imeni A.A.Zhdanova.  
(RADIATION SICKNESS) (NERVES)

BABMINDRA, V.P. (Leningrad, D-194, Kalyaveva, 41, kv.19)

Some neurohistological investigations in Hungary; impressions  
from a trip to the Hungarian People's Republic. Arkh. anat.,  
gist. i embr. 43 no.8:122-124 Ag '62. (MIRA 17:8)

1. Laboratoriya morfologii (zav. - chlen-korrespondent AN SSSR  
prof. N.G. Kolosov) Institut fiziologii imeni Pavlova AN SSSR.

BABMINDRA, V.P.

Post-traumatic degeneration and regeneration of synapses  
under the influence of penetrating radiations. Biul. eksp.  
biol. i med. 53 no.1:112-117 Ja '62. (MIRA 15:3)

1. Iz laboratorii morfologii (zav. chlen-korrespondent AN  
SSSR prof. N.G. Kolosov) Instituta fiziologii imeni I.P. Pavlova  
(dir. - akademik V.N. Chernigovskiy) AN SSSR i laboratorii  
radiobiologii (zav. prof. A.M. Dubinskiy) Leningradskogo  
gosudarstvennogo universiteta imeni A.A. Zhdanova. Predstavlena  
deystvitel'nym chlenom AMN SSSR V.V. Parinym.  
(~~REGENERATION AND REGENERATION~~)  
(~~RADIATION--PHYSIOLOGICAL EFFECTS~~)

BAEMINDRA, V.P. (Leningrad, D-194, ul. Kalyayeva, 41, kv.19)

Distribution of synapses on the dendrites of a vegetative  
neuron. Arkh. anat. i embr. 45 no.9:65-71 S'63  
(MIRA 17:3)

1. Laboratoriya morfologii (zav. - chlen-korrespondent AN  
SSSR prof. N.G. Kolosov) Instituta fiziologii imeni Pavlova  
AN SSSR, Leningrad.

BARMINDRA, V.P.; KOSITSYN, N.S.

Experimental uremia as a model of a pathological state for  
the study of the morphology of nerve endings. Biul. eksp.  
biol. i med. 55 no.2:126-127 F'63. (MIRA 16:6)

1. Iz laboratorii morfologii (zav. - chlen-korrespondent AMN  
SSSR prof. N.G.Kolosov) Instituta fiziologii imeni I.P.Pavlova  
(dir. akad. V.N.Chernigovskiy) AN SSSR, Leningrad.  
(UREMIA) (NERVES)

BABMINTRA, V. P.; BATUYEV, A. S.

Interneuronal connections in the cortical ending of the motor  
analysor following the exclusion of visual reception. Vest.  
LGU 19 no.9:118-121 '64. (MIRA 17:7)

BABMINDRA, V.P. (Leningrad, D-194, ul. Kalyayeva, 41, kv.19)

Neuroplasmic component of pericellular apparatus. Arkh. anat.  
gist. i embr. 45 no.11:31-37 N '63. (MIRA 17:8)

1. laboratoriya morfologii (zav. - chlen-korrespondent AN SSSR  
prof. N.G. Kolesov) Instituta fiziologii imeni Pavlova AN SSSR,  
Leningrad.

BABINDRA, V.P.; KHAMORI, I. [Hamori, J.]

Dendrosomatic contacts in a vegetative ganglion. Dokl. AN SSSR  
161 no.3:728-729 Mr '65.  
(MIRA 18:4)

I. Institut fizioligii im. I.P.Pavlova AN SSSR i Budapeshtskiy  
meditsinskiy universitet. Submitted June 15, 1964.

BABMINDRA, V.P.; KUZ'MINSKAYA, G.N.

State of pericellular apparatus of sympathetic ganglia under  
conditions of chronic lead poisoning. Biul.eksp.biol. i med.  
59 no.5:110-113 '65. (MIRA 18:11)

1. Laboratoriya morfologii (sav. - chlen-korrespondent AN  
SSSR prof. N.G.Kolosov) Instituta fiziologii imeni I.P.Pavlova  
(direktor - akademik V.N.Chernigovskiy) AN SSSR i laboratoriya  
patofiziologii (zav. Zh.I.Abramova) Instituta gigiyeny truda i  
prof-zabolеваний. Submitted November 23, 1963.

BABMINTRA, V.P.

Structure of the afferent innervation of sympathetic ganglia.  
Arkh.anat., glist. i embr. 49 no.10:77-82 O '65.

(MIRA 18:12)

1. Laboratoriya morfologii (zav. - chlen-korrespondent AN ASSR,  
Leningrad. Submitted June 23, 1964.

L 27582-66

ACC NR: AP6018077

SOURCE CODE: UR/0219/65/059/005/0110/0113

AUTHOR: Babminda, V. P.; Kuz'minskaya, G. N.

44  
B

ORG: Laboratory of Morphology /headed by Active member AN SSSR, Professor N. G. Kolosov/, Institute of Physiology im. I. P. Pavlov /directed by Academician V. N. Chernigovskiy/, AN SSSR (Laboratoriya morfologii Instituta fiziologii AN SSSR); Laboratory of Pathophysiology /headed by Zh. I. Abramova/, Institute of Labor Hygiene and Occupational Diseases (Laboratoriya patofiziologii Instituta gigienny truda i profzabolevaniy)

TITLE: State of the pericellular apparatus of sympathetic ganglia under conditions of chronic lead poisoning

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 59, no. 5, 1965, 110-113

TOPIC TAGS: rabbit, autonomic nervous system, pathology, neuron, lead compound, poison, toxicology

ABSTRACT: The pathological changes in the pericellular apparatus of sympathetic ganglia of rabbits to which a 10% solution of lead acetate was given per os in doses of 0.025 g/kg per day for one month or 2 months were investigated. In morphological investigations carried out for 6 months, it was established that degenerative changes in the synapses of sympathetic ganglia developed which were most pronounced within 2-3 months after the beginning of the experiment. Deterioration of presynaptic sections of preganglionic

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UDC: 615.739.15-099-036.2-07:616.839.19-018-07

L 27582-66

ACC NR: AP6018377

D.

fibers was observed. This deterioration was sometimes complete; it was then followed by the growth of new fibers and restoration of synapses in this manner. The deterioration and restoration of the fibers resembled those occurring after traumatic injury. The damage to other synapses, which had not lost the connection with the neuron, was accompanied by an enlargement of the terminal (synaptic) endings. The enlarged endings presumably took over the functions of completely destroyed synapses. This type of damage was reversible: the hypertrophy of the endings gradually disappeared during the period of recovery. The degree of deterioration and capacity for restoration of endings depended on the stage of the pathological process in which the connection with the neuron was lost. This paper was presented by Academician V. N. Chernigovskiy. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 23Nov63 / ORIG REF: 006 / OTH REF: 003

Card 2/2 NC

NISHCHENKOVA, L.G.; BELONOGOV, K.N.; GOSTIKIN, V.P.; ZHORKIN, N.V.;  
BAEVEYEV, A.D.

Catalytic reduction of nitro derivatives with hydrogen. Part. 3:  
Continuous reduction of sodium para nitrophenolate on mixed  
catalysts. Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no.5  
782-786 '64 (MIRA 18:1)

1. Kafedra fizicheskoy i kolloidnoy khimii Ivanovskogo khimiko  
tekhnologicheskogo instituta.

BABNIK, J.

Modern arc welding of cast iron. p.54

VARILNA TEHNIKA. (Drustvo za varilno tehniko IRS in Zavod za varjenje IRS  
Ljubljana, Yugoslavia. Vol.7, no.3/4, 1958

Monthly List of East European Accesions Index (EEAI) LC, Vol.8, no.11  
Nov. 1959  
Uncl.

BABOCH, JAIN

Quantitative fructose determination in human ejaculate.  
Jan Baboch and Jan Bradee (Charles Univ., Prague).  
*Endocrinologie* 31, 171-81 (1954).—Ejaculates of 128 patients were examd. for fructose. The following av. total fructose (mg.) and the av. fructose (mg. %) are given: in normospermia 13.14 and 288, oligo-negative azoospermia 14.25 and 299, asthenospermia 10.33 and 263, oligospermia 9.72 and 273, oligospermia gravis 13.18 and 327, and testicular azoospermia 13.14 and 373. Dorit I. Noether

(1)

BABOCHENOK, P., mayor

No, they didn't leave party + rk. Komn. Vooruzh. Sil 4 no.15:  
55-57 Ag '64. (MIRA 17:10)

BABOCHENOK, P., mayor; TOKAREV, M., podpolkovnik yustitsei

In distant units. Kom. Vooruzh. Sot 46 no.15:52-54 Ag '65.  
(MIRA 18:9)

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102910017-0

BABOCHENOK, V. (Term)

The blue screen narrates. Voen. znan. 40 no.1C:26-27  
O '64. (MERA 17:12)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102910017-0"

BABOCHKIN, Boris Andreyevich; MIKHEYEVA, A.N., red.; RUMYANTSEVA, I.G.,  
tekhn.red.

[A month in India] Mesiats v Indii. Moskva, Gos.izd-vo, 1959.  
150 p. (MIRA 13:7)  
(India--Description and travel)

BABOCHKIN, P.N.

Experiments on Impregnation of Wood, N.A.Aleksich, A.K.Kuznetsova, and P.N. Babochkin. Lesokhim. Prog. 1939, No 5, 40-6; Khim. Referat. Zhur. 1939, No 12, 104; cf. C.A. 34. 5267. - Soviet species of pine and fir were impregnated with 3% NaF soln. under alternating pressures varying from 0.5 to 2 atm. In order to observe the course of the movement of the antiseptic soln. cuts were made in the wood in which the sap and soln. collected. Pieces of filter paper were immersed in the cuts periodically. These filter papers were dried and the presence or absence of NaF in the sap was detd. by color reaction. Fir can be impregnated as easily as pine. Storage of the wood in autumn for 1.5-2.0 months after felling has no effect on the rate of impregnation. After storage for a year or more the rate of impregnation decreases to 1/2 to 1/3 the original rate. 500-50 l. of the antiseptic soln. is used per cu. m. of wood. The antiseptic soln. moves a distance of 1 m. in 5.0-5.5 hrs. along the trunk. Increase of pressure from 1 to 2 atm. has only a small effect on the rate and completeness of impregnation. Only alburnum and the adjacent layers of duramen of pine and mature wood can be impregnated.

W.R.Henn

RABOCHKIN, I. N.

KAN, G.A., kandidat tekhnicheskikh nauk; RABOCHKIN, P.N.

A new plywood-plastic material. Der.prom.4 no.1:13-16 Ja'55.  
(Plywood) (Plastics) (MLRA 8:3)

LEKTORSKIY, D.N.; BABOCHKIN, P.N.

Using gas generator wood tar for preserving wood. Gidroliz. i  
lesokhim. prom. 11 no.5:14-15 '58.  
(MIRA 11:9)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.  
(Wood preservatives) (Tar)

BABOCHKIN, V.M., arkhitektor

River station in Kazan. Rech. transp. 17 no. 7:22 J1 '58.  
(MIRA 11:8)

1. Giprorechtrans.  
(Kazan--Inland water transportation)

BABOCHKINA, G. A.

"Vital Microscopy of Pelmatohydra Oligactis," Dokl. Ak Nauk SSSR, 68,  
No. 5, 1949

158r8

USSR/Biology - Hydras

Regeneration

21 Nov 49

"Regenerative Substances in Hydras," G. A. Babochkin, Inst of Experimental Med Acad Med Sci USSR, 23 pp

"Dok Ak Nauk SSSR" Vol LXIX, No 3

Conducted two series of tests to ascertain whether formation of whole hydra from *gastral section* was regenerative process: (1) Rings from this section were immersed in various poisons. Their degeneration showed the section was the "carrier" of the physiological gradient of the whole organism. Data obtained confirmed idea that formation of whole

USSR/Biology - Hydras  
(Contd)

21 Nov 49  
158rb

hydra from section was connected with radical parts but of whole new organism not of missing cells. (2) Study of regenerative process by observing behavior of *gastral section* as "rings," in sterile synthetic media led to same conclusion.

158r8

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Apr 48

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GRIGOR'YEV, S. Ye., redaktor; DOKUKIN, A.V., redaktor; ZHABO, V.V.  
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IL'ICHEV, A.S., redaktor; KAGAN, V.Ya., redaktor; KRASNIKOVSKIY,  
G.V., redaktor; KRASOZOV, I.P., redaktor; KRYVONOGOV, K.K.,  
redaktor; LALAYANTS, A.M., redaktor; MOGILEVSKIY, N.M., redaktor;  
ONIKA, D.G., redaktor; OSTROVSKIY, S.B., redaktor; OSTROVSKIY,  
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L 40357-66 EWT(1)/EWT(m)/T/EWP(t)/ETI/EWP(k) IJP(s) RIM/JD/WW/W

ACC NR: AT6023224

SOURCE CODE: UR/2910/65/005/003/0395/0401 58

AUTHOR: Babonas, G. A. — Babonas, G.; Kavalyauskas, Yu. F. — Kavaliauskas, J.; 57  
Shileyka, A. Yu. — Sileika, A. Br/

ORG: Institute of Physics and Mathematics, Academy of Sciences Lithuanian SSR  
(Institut fiziki i matematiki Akademii nauk Litovskoy SSR)

TITLE: Investigation of the fundamental absorption edge of cadmium telluride under hydrostatic pressures up to 6600 kg per sq cm

SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik. v. 5, no. 3. 1965, 395-401

TOPIC TAGS: cadmium telluride, absorption edge, absorption spectrum

ABSTRACT: The effect of hydrostatic pressure on the edge of the fundamental absorption spectrum of single crystals of CdTe was investigated at room temperature. Specimens split off from single crystals and polished specimens 37—165- $\mu$  thick were used. The specimens were placed in a high-pressure chamber and the pressure was created by a manual hydraulic press. A thermocouple to monitor the temperature during the measurement cycle was inserted into the high-pressure cavity. It was found that with an increase of pressure the edge of the absorption spectrum shifted to the short-wave side without a noticeable change in its shape, i.e., a good coincidence of the curves obtained at different pressures can be obtained by a parallel shift along the x-axis. This was characteristic of all the investigated specimens. Thus it was not possible to note changes in the shape of the edge of the absorption spectrum of CdTe up to a

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pressure of  $6600 \text{ kg/cm}^2$ . The shift of the absorption spectra was completely reversible. The rate of shift toward the short-wave side was  $(7.8 \pm 2.0) \cdot 10^{-6} \text{ eV cm}^2/\text{kg}$ . Thus a detailed investigation of the edge of the absorption spectrum in a wide pressure range can to some extent help explain the mechanism of absorption close to the edge of the absorption spectrum of cadmium telluride. The authors thank graduate student A. B. Zakarke for help in growing the single crystals. Orig. art. has: 3 figures and 40 formulas.

SUB CODE: 07/ SUBM DATE: 01Feb65/ ORIG REF: 001/ OTH REF: 013

Card

2/2 ZC

VASASS, E.; ADAM,E.; BABONICS,M.; ABRAHAM,A.

Considerations on the cytohistological diagnosis of chronic  
pemphigus. Rumanian med.rev. 7 no.3:42-47 Ja-Mr'64

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L 11923-66 EWT(d)/EWT(1)/EWT(m)/ETC(E) EPF(n)-2/EPF(n)-2/EPF(n)-2/  
 ACC NR: AT5028696 RDW/JD/WW/GG SOURCE CODE: UR/2910/0  
 AUTHOR: Babonas, G. A. Zakarka, A. B.; Girchene, V. L. (Gircien,  
 Kavalyauskas, Yu. F. (Kavaliauskas, J.); Shileyka, A. Yu. (Sileika, A.)  
 ORG: Institute of Physics and Mathematics, Academy of Sciences Lithuanian SSR  
 TITLE: Effect of temperature and pressure on the fundamental absorption edge of cadmium telluride, 21, 44, 55  
 SOURCE: AN LitSSR. Litovskiy fizicheskiy sbornik, v. 4, no. 4, 1964,  
 529-536  
 TOPIC TAGS: cadmium telluride, absorption edge, forbidden zone width  
 ABSTRACT: The effect of hydrostatic pressure on the fundamental absorption edge of CdTe crystals was first studied at room temperature. The coefficient of variation of CdTe crystals was determined from the rate of shift of the fundamental gap width with increasing pressure. It was found to be  $8.0 \pm 0.4 \times 10^{-6}$  eV/cm<sup>2</sup>/kg. According to the results of studies conducted in the 120-480°K range, the fundamental gap width of cadmium telluride  $E_g = (1.59-4.6 \times 10^{-4} T)$  eV. Comparison  
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L 11923-66

ACC NR: AT5028696

of experimental results with theoretical results shows that in CdTe the variation of forbidden gap width with temperature is chiefly due to a variation in the interaction of electrons with optical phonons, whereas the effect of thermal expansion of the crystal is nearly one order of magnitude smaller. The authors are grateful to V. B. Tolutis who kindly supplied the CdTe crystals for optical measurements. Orig. art. has 7 figures, 6 formulas.

SUB CODE: 20 / SUBM DATE: 18Jan64 / ORIG REF: 004 / OTH REF: 017

PC  
Card 2/2

EXCERPTA MEDICA Sec 4 Vol 12/8 Med. Micro. Aug 59

2475. ALKALINE PHOSPHATASE ACTIVITY IN MUSCLES OF THE EXTREMITIES OF NEWBORN MICE INFECTED WITH COXSACKIE VIRUS - A coxsackie vírussal fertőzött újszülött egerek végtagizmainak alkalikus foszfátázaktivitása - Wiener F., Ábrahám S. and Babonits M.

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4/3-4 (210-213) Tables 1

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PETER, M., dr.; DOMOKOS, L., dr.; INCZEFFY, Z., dr.; BOERIU, I. dr.;  
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monoarylureas are formed the corresponding sym. and  
asym., di- or trialkyl- or arylidialkyureas. Jan Micka

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BABOR, K.

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Jan Micka

BABOR, K.

RESULTS

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Jan Micka

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Jan